



ATTACHMENT 3

COSTS FOR OFFICES THAT HAVE COLLOCATION

Collocation Office Summary--Verizon North

Attachment 3

NORTH

Total Offices	NY	MASS	NH	RI	ME	VT
High Rise (Major Cities)	11	0	0	0	0	0
Metropolitan	114	4	0	0	0	0
Rural	272	67	88	12	122	65
Suburban	76	151	26	13	16	13
Urban	48	46	3	5	1	2
Total	521	268	117	30	139	80

1155

Offices w/out Collocation	NY	MASS	NH	RI	ME	VT
High Rise (Major Cities)	0	0	0	0	0	0
Metropolitan	4	0	0	0	0	0
Rural	233	32	59	5	75	56
Suburban	9	3	1	0	0	3
Urban	1	0	0	0	0	0
Total	247	35	60	5	75	59

481

Offices with Collocation	NY	MASS	NH	RI	ME	VT
High Rise (Major Cities)	11	0	0	0	0	0
Metropolitan	110	4	0	0	0	0
Rural	39	35	29	7	47	9
Suburban	67	148	25	13	16	10
Urban	47	46	3	5	1	2
Total	274	233	57	25	64	21

674

Collocation Office Summary--Verizon South

Attachment 3

SOUTH

Total Offices	DC	DE	MD	NJ	PA	VA	WV
Small	0	15	112	28	208	116	122
Medium	1	11	34	68	82	51	15
Large	8	5	50	81	78	38	5
Extra Large	5	2	8	26	17	7	0
Total	14	33	204	203	385	212	142

981

Offices w/out Collocation	DC	DE	MD	NJ	PA	VA	WV
Small	0	11	72	13	164	107	109
Medium	0	0	4	10	2	1	3
Large	0	0	5	0	0	0	0
Extra Large	0	0	0	0	1	0	0
Total	0	11	81	23	167	108	112

394

Offices with Collocation	DC	DE	MD	NJ	PA	VA	WV
Small	0	4	40	15	44	9	13
Medium	1	11	30	58	80	50	12
Large	8	5	45	81	78	38	5
Extra Large	5	2	8	26	16	7	0
Total	14	22	123	180	218	104	30

587

7/17/01

**NUMBER OF COLLOCATORS PER OFFICE
VERIZON NORTH**

CONFIDENTIAL MATERIAL REDACTED

**NUMBER OF COLLOCATORS PER OFFICE
VERIZON SOUTH**

CONFIDENTIAL MATERIAL REDACTED

PHYSICAL COLLOCATION
Bell Atlantic - New England
FCC - 11

DC POWER - COST SUMMARY

<u>LINE NO.</u>	<u>A</u> <u>ITEM</u>	<u>B</u> <u>SOURCE</u>	<u>C</u> <u>MONTHLY</u> <u>RECURRING</u>
<u>DC POWER PER AMP</u>			
1	LESS THAN OR EQUAL TO 60 AMPS	BA-NE, WP 1.0, PG 1, LN 11F	\$15.81
2	GREATER THAN 60 AMPS	BA-NE, WP 1.0, PG 2, LN 11F	\$15.83

PHYSICAL COLLOCATION
BELL ATLANTIC - NEW ENGLAND
FCC - 11

DC POWER - LESS THAN OR EQUAL TO 60 AMPS

		- WEIGHTED -					
A	B	C	D	E	F	G	H
ITEM	SOURCE	BA-MA	BA-ME	BA-NH	BA-RI	BA-VT	BA-NE
1 TOTAL WEIGHTED UNIT INVESTMENT	COST STUDY	\$496.86	\$87.44	\$95.05	\$77.12	\$41.46	\$797.92
2 DEPRECIATION	COST STUDY	\$30.38	\$5.56	\$5.96	\$4.71	\$2.55	\$49.15
3 COST OF CAPITAL	COST STUDY	\$29.46	\$5.07	\$5.52	\$4.58	\$2.41	\$47.04
4 INCOME TAX	COST STUDY	\$11.93	\$2.05	\$2.24	\$1.85	\$0.97	\$19.04
5 OTHER TAXES	COST STUDY	\$1.43	\$1.39	\$0.20	\$0.84	\$0.45	\$4.30
6 MAINTENANCE	COST STUDY	\$26.15	\$3.35	\$4.02	\$2.89	\$2.02	\$38.43
7 ADMINISTRATION	COST STUDY	\$21.07	\$2.96	\$3.31	\$2.82	\$1.56	\$31.72
8 ANNUAL DIRECT COST	SUM (LINE 2 THRU LINE 7)	\$120.42	\$20.38	\$21.25	\$17.68	\$9.96	\$189.69
9 MONTHLY COST	LINE 8 / 12	\$10.04	\$1.70	\$1.77	\$1.47	\$0.83	\$15.81
10 OVERHEAD LOADING FACTOR	WP 6.0, PG 1, LINE 25	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
11 MONTHLY RATE	LINE 9 x LINE 10	\$10.04	\$1.70	\$1.77	\$1.47	\$0.83	\$15.81
12 DIRECT COST TO RATE	LINE 9 / LINE 11	1.00	1.00	1.00	1.00	1.00	1.00

PHYSICAL COLLOCATION
BELL ATLANTIC - NEW ENGLAND
FCC - 11

DC POWER - GREATER THAN 60 AMPS

		- WEIGHTED -					
A	B	C	D	E	F	G	H
ITEM	SOURCE	BA-MA	BA-ME	BA-NH	BA-RJ	BA-VT	BA-NE
1 TOTAL WEIGHTED UNIT INVESTMENT	COST STUDY	\$497.01	\$87.92	\$95.24	\$77.16	\$41.61	\$798.95
2 DEPRECIATION	COST STUDY	\$30.39	\$5.59	\$5.97	\$4.71	\$2.56	\$49.22
3 COST OF CAPITAL	COST STUDY	\$29.47	\$5.10	\$5.53	\$4.58	\$2.42	\$47.10
4 INCOME TAX	COST STUDY	\$11.94	\$2.06	\$2.24	\$1.85	\$0.98	\$19.07
5 OTHER TAXES	COST STUDY	\$1.43	\$1.40	\$0.20	\$0.84	\$0.45	\$4.31
6 MAINTENANCE	COST STUDY	\$26.16	\$3.37	\$4.03	\$2.89	\$2.02	\$38.48
7 ADMINISTRATION	COST STUDY	\$21.08	\$2.98	\$3.32	\$2.82	\$1.57	\$31.76
8 ANNUAL DIRECT COST	SUM (LINE 2 THRU LINE 7)	\$120.46	\$20.49	\$21.29	\$17.69	\$10.00	\$189.93
9 MONTHLY COST	LINE 8 / 12	\$10.04	\$1.71	\$1.77	\$1.47	\$0.83	\$15.83
10 OVERHEAD LOADING FACTOR	WP 6.0, PG 1, LINE 25	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
11 MONTHLY RATE	LINE 9 x LINE 10	\$10.04	\$1.71	\$1.77	\$1.47	\$0.83	\$15.83
12 DIRECT COST TO RATE	LINE 9 / LINE 11	1.00	1.00	1.00	1.00	1.00	1.00

PHYSICAL COLLOCATION
Bell Atlantic - New England
FCC - 11

DC POWER - LESS THAN OR EQUAL TO 60 AMPS

	A	B	C	D	E	F	G	H	I
LINE NO.	ITEM	SOURCE	DEPRECIATION	COST OF CAPITAL	INCOME TAX	OTHER TAXES	MAINT.	ADMIN.	TOTAL
1	MASSACHUSETTS	WP 1.0, PG 1, LINES 2 THRU 7	\$47.62	\$46.18	\$18.70	\$2.24	\$40.99	\$33.03	\$188.75
2	BA-NE WEIGHTING	WP 6.0, PG 1, LINE 26C	0.638	0.638	0.638	0.638	0.638	0.638	0.638
3	BA-MA WEIGHTED COST	LINE 1 X LINE 2	\$30.38	\$29.46	\$11.93	\$1.43	\$26.15	\$21.07	\$120.42
4	MAINE	WP 2.0, PG 1, LINES 2 THRU 7	\$56.73	\$51.71	\$20.92	\$14.16	\$34.21	\$30.20	\$207.93
5	BA-NE WEIGHTING	WP 6.0, PG 1, LINE 26D	0.098	0.098	0.098	0.098	0.098	0.098	0.098
6	BA-ME WEIGHTED COST	LINE 4 X LINE 5	\$5.56	\$5.07	\$2.05	\$1.39	\$3.35	\$2.96	\$20.38
7	NEW HAMPSHIRE	WP 3.0, PG 1, LINES 2 THRU 7	\$51.36	\$47.60	\$19.28	\$1.69	\$34.67	\$28.56	\$183.15
8	BA-NE WEIGHTING	WP 6.0, PG 1, LINE 26E	0.116	0.116	0.116	0.116	0.116	0.116	0.116
9	BA-NH WEIGHTED COST	LINE 7 X LINE 8	\$5.96	\$5.52	\$2.24	\$0.20	\$4.02	\$3.31	\$21.25
10	RHODE ISLAND	WP 4.0, PG 1, LINES 2 THRU 7	\$48.03	\$46.74	\$18.87	\$8.55	\$29.52	\$28.73	\$180.43
11	BA-NE WEIGHTING	WP 6.0, PG 1, LINE 26F	0.098	0.098	0.098	0.098	0.098	0.098	0.098
12	BA-RI WEIGHTED COST	LINE 10 X LINE 11	\$4.71	\$4.58	\$1.85	\$0.84	\$2.89	\$2.82	\$17.68
13	VERMONT	WP 5.0, PG 1, LINES 2 THRU 7	\$52.03	\$49.21	\$19.89	\$9.19	\$41.17	\$31.84	\$203.32
14	BA-NE WEIGHTING	WP 6.0, PG 1, LINE 26G	0.049	0.049	0.049	0.049	0.049	0.049	0.049
15	BA-VT WEIGHTED COST	LINE 13 X LINE 14	\$2.55	\$2.41	\$0.97	\$0.45	\$2.02	\$1.56	\$9.96

PHYSICAL COLLOCATION
Bell Atlantic - New England
FCC - 11

DC POWER - GREATER THAN 60 AMPS

	A	B	C	D	E	F	G	H	I
LINE NO.	ITEM	SOURCE	DEPRECIATION	COST OF CAPITAL	INCOME TAX	OTHER TAXES	MAINT.	ADMIN.	TOTAL
1	MASSACHUSETTS	WP 1.1, PG 1, LINES 2 THRU 7	\$47.63	\$46.19	\$18.71	\$2.25	\$41.00	\$33.04	\$188.81
2	BA-NE WEIGHTING	WP 6.0, PG 1, LINE 26C	0.638	0.638	0.638	0.638	0.638	0.638	0.638
3	BA-MA WEIGHTED COST	LINE 1 X LINE 2	\$30.39	\$29.47	\$11.94	\$1.43	\$26.16	\$21.08	\$120.46
4	MAINE	WP 2.1, PG 1, LINES 2 THRU 7	\$57.04	\$51.99	\$21.04	\$14.24	\$34.39	\$30.37	\$130.06
5	BA-NE WEIGHTING	WP 6.0, PG 1, LINE 26D	0.098	0.098	0.098	0.098	0.098	0.098	0.098
6	BA-ME WEIGHTED COST	LINE 4 X LINE 5	\$5.59	\$5.10	\$2.06	\$1.40	\$3.37	\$2.98	\$20.49
7	NEW HAMPSHIRE	WP 3.1, PG 1, LINES 2 THRU 7	\$51.47	\$47.70	\$19.32	\$1.69	\$34.74	\$28.62	\$183.53
8	BA-NE WEIGHTING	WP 6.0, PG 1, LINE 26E	0.116	0.116	0.116	0.116	0.116	0.116	0.116
9	BA-NH WEIGHTED COST	LINE 7 X LINE 8	\$5.97	\$5.53	\$2.24	\$0.20	\$4.03	\$3.32	\$21.29
10	RHODE ISLAND	WP 4.1, PG 1, LINES 2 THRU 7	\$48.05	\$46.76	\$18.88	\$8.56	\$29.54	\$28.74	\$180.54
11	BA-NE WEIGHTING	WP 6.0, PG 1, LINE 26F	0.098	0.098	0.098	0.098	0.098	0.098	0.098
12	BA-RI WEIGHTED COST	LINE 10 X LINE 11	\$4.71	\$4.58	\$1.85	\$0.84	\$2.89	\$2.82	\$17.69
13	VERMONT	WP 5.1, PG 1, LINES 2 THRU 7	\$52.22	\$49.40	\$19.96	\$9.23	\$41.32	\$31.96	\$204.10
14	BA-NE WEIGHTING	WP 6.0, PG 1, LINE 26G	0.049	0.049	0.049	0.049	0.049	0.049	0.049
15	BA-VT WEIGHTED COST	LINE 13 X LINE 14	\$2.56	\$2.42	\$0.98	\$0.45	\$2.02	\$1.57	\$10.00

PHYSICAL COLLOCATION
Bell Atlantic - Massachusetts
FCC - 11

DC POWER - LESS THAN OR EQUAL TO 60 AMPS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>SWITCH EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL POWER PLANT UNIT INVESTMENT	WP 1.0, PG 3, LINE 46	-	-	\$236.26	\$236.26
2 EF&I FACTOR - FRC 377C	WP 6.0, PG 1, LINE 24C	-	-	2.7852	2.7852
3 INSTALLED INVESTMENT (NRC)	LINE 1 x LINE 2	-	-	\$658.03	\$658.03
4 UTILIZATION FACTOR	ENGINEERING	-	-	1.0000	1.0000
5 TOTAL IN-PLACE INVESTMENT	LINE 3 x LINE 4	-	-	\$658.03	\$658.03
6 LAND INVESTMENT FACTOR	WP 6.0, PG 1, LINE 22C	0.0000	-	-	0.0000
7 BUILDING INVESTMENT FACTOR	WP 6.0, PG 1, LINE 23C	-	0.1835	-	0.1835
8 LAND INVESTMENT	LINE 5E x LINE 6C	\$0.00	-	-	\$0.00
9 BUILDING INVESTMENT	LINE 5E x LINE 7D	-	\$120.75	-	\$120.75
10 TOTAL UNIT INVESTMENT	LINE 5E + LINE 8C + LINE 9D	\$0.00	\$120.75	\$658.03	\$778.77
11 WEIGHTED UNIT INVESTMENT	LINE 10 x WP 6.0, PG 1, LINE 26C	\$0.00	\$77.04	\$419.82	\$496.86

PHYSICAL COLLOCATION
Bell Atlantic - Massachusetts
FCC - 11

DC POWER - LESS THAN OR EQUAL TO 60 AMPS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>CKT EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL UNIT INVESTMENT	WP 1.0, PG 2 LINE 10	\$0.00	\$120.75	\$658.03	\$778.77
2 DEPRECIATION	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$3.07	\$44.55	\$47.62
3 COST OF CAPITAL	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$10.12	\$36.06	\$46.18
4 INCOME TAX	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$4.09	\$14.61	\$18.70
5 OTHER TAXES	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$2.11	\$0.13	\$2.24
6 MAINTENANCE	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$4.20	\$36.78	\$40.99
7 ADMINISTRATION	LINE 1 X WP 6.0 - ACF FACTOR	<u>\$0.00</u>	<u>\$5.13</u>	<u>\$27.90</u>	<u>\$33.03</u>
8 ANNUAL DIRECT COST	SUM (LINE 2 THRU LINE 7)	\$0.00	\$28.72	\$160.03	\$188.75
9 WEIGHTED UNIT INVESTMENT	LINE 8 x WP 6.0, PG 1, LINE 26C	\$0.00	\$18.32	\$102.10	\$120.42

PHYSICAL COLLOCATION
Bell Atlantic - Massachusetts
FCC NO. 11

DC POWER COST DEVELOPMENT - LESS THAN OR EQUAL TO 60 AMPS

LINE NO.	A ITEM	B SOURCE	C METRO	D URBAN	E SUBURBAN	F RURAL
	<u>Microprocessor Plant (BUSS BAR)</u>					
1	AMP	Engineering	5,000	2,600	2,600	1,200
2	Material	Engineering	\$22,500	\$17,000	\$12,000	\$9,000
3	Unit Investment Per AMP	(L2 / L1)	\$4.50	\$6.54	\$4.62	\$7.50
4	Statewide Weighting	WP 6.0, Pg 1, Lns 27C-30C	0.0715	0.4094	0.4824	0.0368
5	Statewide Unit Investment Per AMP	\$5.50	\$0.32	\$2.68	\$2.23	\$0.28
	WP 1.0, PG 3, LINE 10					
	<u>Rectifiers</u>					
6	Quantity	Engineering	5	5	6	5
7	AMPS per unit	Engineering	400	200	200	200
8	Tot. AMPS	(L6 * L7)	2,000	1,000	1,200	1,000
9	Utilization	(L6-1) / L6)	80.00%	80.00%	83.33%	80.00%
10	Material	Engineering	\$43,500	\$30,000	\$35,700	\$30,000
11	Total Investment	(L10 / L9)	\$54,375	\$37,500	\$42,840	\$37,500
12	Unit Investment Per AMP	(L11 / L8)	\$27.19	\$37.50	\$35.70	\$37.50
13	Statewide Weighting	WP 6.0, Pg 1, Lns 27C-30C	0.0715	0.4094	0.4824	0.0368
14	Statewide Unit Investment Per AMP	\$35.90	\$1.94	\$15.35	\$17.22	\$1.38
	<u>Batteries</u>					
15	Strings	Engineering	3	3	4	3
16	AMPS per String	Engineering	688	310	310	310
17	Tot. AMPS	(L15 * L16)	2,064	930	1,240	930
18	Total Investment	Engineering	\$98,500	\$40,500	\$52,900	\$40,500
19	Unit Investment Per AMP	(L18 / L17)	\$47.72	\$43.55	\$42.66	\$43.55
20	Statewide Weighting	WP 6.0, Pg 1, Lns 27C-30C	0.0715	0.4094	0.4824	0.0368
21	Statewide Unit Investment Per AMP	\$43.42	\$3.41	\$17.83	\$20.58	\$1.60
	<u>Automatic Breaker</u>					
22	AMP per Breaker	Engineering	1,600	1,200	800	400
23	Total Investment	Engineering	\$50,000	\$40,000	\$35,000	\$20,000
24	Unit Investment Per AMP	(L23 / L22)	\$31.25	\$33.33	\$43.75	\$50.00
25	Statewide Weighting	WP 6.0, Pg 1, Lns 27C-30C	0.0715	0.4094	0.4824	0.0368
26	Statewide Unit Investment Per AMP	\$38.83	\$2.23	\$13.65	\$21.11	\$1.84
	<u>Power Distribution Service Cabinet</u>					
27	Amps	Engineering	800	800	400	400
28	Material	Engineering	\$7,000	\$4,000	\$3,700	\$2,700
29	Unit Investment Per AMP	(L28 / L27)	\$8.75	\$5.00	\$9.25	\$6.75
30	Statewide Weighting	WP 6.0, Pg 1, Lns 27C-30C	0.0715	0.4094	0.4824	0.0368
31	Statewide Unit Investment Per AMP	\$7.38	\$0.63	\$2.05	\$4.46	\$0.25
	<u>Emergency engine/turbine (auto start)</u>					
32	AMP Capacity	Engineering	1,505	1,216	868	278
33	Utilization	Engineering	70%	70%	70%	70%
34	Utilized AMPS	(L32 * L33)	1,054	851	608	195
35	Emerg. Engine Invest	Engineering	\$75,600	\$38,200	\$34,000	\$21,500
36	Conduit/Emer Lights	Engineering	\$35,000	\$30,000	\$25,000	\$20,000
37	Total Investment	(L35 + L36)	\$110,600	\$68,200	\$59,000	\$41,500
38	Unit Investment Per AMP	(L37 / L34)	\$104.98	\$80.12	\$97.10	\$213.26
39	Statewide Weighting	WP 6.0, Pg 1, Lns 27C-30C	0.0715	0.4094	0.4824	0.0368
40	Statewide Unit Investment Per AMP	\$95.00	\$7.51	\$32.80	\$46.84	\$7.85
	<u>Battery Distribution Fuse Bay</u>					
41	AMP Capacity	Engineering	800	800	800	800
42	Material	Engineering	\$8,181	\$8,181	\$8,181	\$8,181
43	Unit Investment Per AMP	(L42 / L41)	\$10.23	\$10.23	\$10.23	\$10.23
44	Statewide Weighting	WP 6.0, Pg 1, Lns 27C-30C	0.0715	0.4094	0.4824	0.0368
45	Statewide Unit Investment Per AMP	\$10.23	\$0.73	\$4.19	\$4.93	\$0.38
46	Total Unit Investment - (Less than or Equal to 60 AMP's) - Sum Lines (5C+14C+21C+26C+31C+40C+45C)		\$236.26			

PHYSICAL COLLOCATION
Bell Atlantic - Massachusetts
FCC - 11

DC POWER - GREATER THAN 60 AMPS

A	B	C	D	E	F
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>SWITCH EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL POWER PLANT UNIT INVESTMENT	WP 1.1, PG 3, LINE 46	-	-	\$236.33	\$236.33
2 EF&I FACTOR - FRC 377C	WP 6.0, PG 1, LINE 24C	-	-	2.7852	2.7852
3 INSTALLED INVESTMENT (NRC)	LINE 1 x LINE 2	-	-	\$658.23	\$658.23
4 UTILIZATION FACTOR	ENGINEERING	-	-	1.0000	1.0000
5 TOTAL IN-PLACE INVESTMENT	LINE 3 x LINE 4	-	-	\$658.23	\$658.23
6 LAND INVESTMENT FACTOR	WP 6.0, PG 1, LINE 22C	0.0000	-	-	0.0000
7 BUILDING INVESTMENT FACTOR	WP 6.0, PG 1, LINE 23C	-	0.1835	-	0.1835
8 LAND INVESTMENT	LINE 5E x LINE 6C	\$0.00	-	-	\$0.00
9 BUILDING INVESTMENT	LINE 5E x LINE 7D	-	\$120.79	-	\$120.79
10 TOTAL UNIT INVESTMENT	LINE 5E + LINE 8C + LINE 9D	\$0.00	\$120.79	\$658.23	\$779.02
11 WEIGHTED UNIT INVESTMENT	LINE 10 x WP 6.0, PG 1, LINE 26C	\$0.00	\$77.06	\$419.95	\$497.01

PHYSICAL COLLOCATION
Bell Atlantic - Massachusetts
FCC - 11

DC POWER - GREATER THAN 60 AMPS

A	B	C	D	E	F
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>CKT EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL UNIT INVESTMENT	WP 1.1, PG 2 LINE 10	\$0.00	\$120.79	\$658.23	\$779.02
2 DEPRECIATION	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$3.07	\$44.56	\$47.63
3 COST OF CAPITAL	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$10.12	\$36.07	\$46.19
4 INCOME TAX	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$4.09	\$14.61	\$18.71
5 OTHER TAXES	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$2.11	\$0.13	\$2.25
6 MAINTENANCE	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$4.20	\$36.80	\$41.00
7 ADMINISTRATION	LINE 1 X WP 6.0 - ACF FACTOR	\$0.00	\$5.13	\$27.91	\$33.04
8 ANNUAL DIRECT COST	SUM (LINE 2 THRU LINE 7)	\$0.00	\$28.73	\$160.08	\$188.81
9 WEIGHTED UNIT INVESTMENT	LINE 8 x WP 6.0, PG 1, LINE 26C	\$0.00	\$18.33	\$102.13	\$120.46

PHYSICAL COLLOCATION
Bell Atlantic - Massachusetts
FCC NO. 11

DC POWER COST DEVELOPMENT - GREATER THAN 60 AMPS

LINE NO.	A ITEM	B SOURCE	C METRO	D URBAN	E SUBURBAN	F RURAL
	Microprocessor Plant (BUSS BAR)					
1	AMP	Engineering	5,000	2,600	2,600	1,200
2	Material	Engineering	\$22,500	\$17,000	\$12,000	\$9,000
3	Unit Investment Per AMP	(L2 / L1)	\$4.50	\$6.54	\$4.62	\$7.50
4	Statewide Weighting	WP 6.0, Pg 1, Lns 27C-30C	0.0715	0.4094	0.4824	0.0368
5	Statewide Unit Investment Per AMP		\$5.50	\$2.68	\$2.23	\$0.28
	Rectifiers					
6	Quantity	Engineering	5	5	6	5
7	AMPS per unit	Engineering	400	200	200	200
8	Tot. AMPS	(L6 * L7)	2,000	1,000	1,200	1,000
9	Utilization	(L6-1) / L6)	80.00%	80.00%	83.33%	80.00%
10	Material	Engineering	\$43,500	\$30,000	\$35,700	\$30,000
11	Total Investment	(L10 / L9)	\$54,375	\$37,500	\$42,840	\$37,500
12	Unit Investment Per AMP	(L11 / L8)	\$27.19	\$37.50	\$35.70	\$37.50
13	Statewide Weighting	WP 6.0, Pg 1, Lns 27C-30C	0.0715	0.4094	0.4824	0.0368
14	Statewide Unit Investment Per AMP		\$35.90	\$15.35	\$17.22	\$1.38
	Batteries					
15	Strings	Engineering	3	3	4	3
16	AMPS per String	Engineering	688	310	310	310
17	Tot. AMPS	(L15 * L16)	2,064	930	1,240	930
18	Total Investment	Engineering	\$98,500	\$40,500	\$52,900	\$40,500
19	Unit Investment Per AMP	(L18 / L17)	\$47.72	\$43.55	\$42.66	\$43.55
20	Statewide Weighting	WP 6.0, Pg 1, Lns 27C-30C	0.0715	0.4094	0.4824	0.0368
21	Statewide Unit Investment Per AMP		\$43.42	\$17.83	\$20.58	\$1.60
	Automatic Breaker					
22	AMP per Breaker	Engineering	1,600	1,200	800	400
23	Total Investment	Engineering	\$50,000	\$40,000	\$35,000	\$20,000
24	Unit Investment Per AMP	(L23 / L22)	\$31.25	\$33.33	\$43.75	\$50.00
25	Statewide Weighting	WP 6.0, Pg 1, Lns 27C-30C	0.0715	0.4094	0.4824	0.0368
26	Statewide Unit Investment Per AMP		\$38.83	\$13.65	\$21.11	\$1.84
	Power Distribution Service Cabinet					
27	Amps	Engineering	800	800	400	400
28	Material	Engineering	\$7,000	\$4,000	\$3,700	\$2,700
29	Unit Investment Per AMP	(L28 / L27)	\$8.75	\$5.00	\$9.25	\$6.75
30	Statewide Weighting	WP 6.0, Pg 1, Lns 27C-30C	0.0715	0.4094	0.4824	0.0368
31	Statewide Unit Investment Per AMP		\$7.38	\$2.05	\$4.46	\$0.25
	Emergency engine/turbine (auto start)					
32	AMP Capacity	Engineering	1,505	1,216	868	278
33	Utilization	Engineering	70%	70%	70%	70%
34	Utilized AMPS	(L32 * L33)	1,054	851	608	195
35	Emerg. Engine Invest	Engineering	\$75,600	\$38,200	\$34,000	\$21,500
36	Conduit/Emer Lights	Engineering	\$35,000	\$30,000	\$25,000	\$20,000
37	Total Investment	(L35 + L36)	\$110,600	\$68,200	\$59,000	\$41,500
38	Unit Investment Per AMP	(L37 / L34)	\$104.98	\$80.12	\$97.10	\$213.26
39	Statewide Weighting	WP 6.0, Pg 1, Lns 27C-30C	0.0715	0.4094	0.4824	0.0368
40	Statewide Unit Investment Per AMP		\$95.00	\$32.80	\$46.84	\$7.85
	Power Plant Distribution Bay					
41	AMP Capacity	Engineering	2,600	1,200	1,200	300
42	Material	Engineering	\$20,000	\$15,000	\$10,000	\$5,000
43	Unit Investment Per AMP	(L42 / L41)	\$7.69	\$12.50	\$8.33	\$16.67
44	Statewide Weighting	WP 6.0, Pg 1, Lns 27C-30C	0.0715	0.4094	0.4824	0.0368
45	Statewide Unit Investment Per AMP		\$10.30	\$5.12	\$4.02	\$0.61
46	Total Unit Investment - (Less than or Equal to 60 AMP's) - Sum Lines (5C+14C+21C+26C+31C+40C+45C)					
			\$236.33			

PHYSICAL COLLOCATION
Bell Atlantic - Maine
FCC - 11

DC POWER - LESS THAN OR EQUAL TO 60 AMPS

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>
<u>ITEM</u>	<u>SOURCE</u>	<u>LAND</u>	<u>BLDG</u>	<u>SWITCH EQPT.</u>	<u>TOTAL INVEST</u>
1 TOTAL POWER PLANT UNIT INVESTMENT	WP 2.0, PG 3, LINE 46	-	-	\$286.89	\$286.89
2 EF&I FACTOR - FRC 377C	WP 6.0, PG 1, LINE 24D	-	-	2.7852	2.7852
3 INSTALLED INVESTMENT (NRC)	LINE 1 x LINE 2	-	-	\$799.04	\$799.04
4 UTILIZATION FACTOR	ENGINEERING	-	-	1.0000	1.0000
5 TOTAL IN-PLACE INVESTMENT	LINE 3 x LINE 4	-	-	\$799.04	\$799.04
6 LAND INVESTMENT FACTOR	WP 6.0, PG 1, LINE 22D	0.0000	-	-	0.0000
7 BUILDING INVESTMENT FACTOR	WP 6.0, PG 1, LINE 23D	-	0.1167	-	0.1167
8 LAND INVESTMENT	LINE 5E x LINE 6C	\$0.00	-	-	\$0.00
9 BUILDING INVESTMENT	LINE 5E x LINE 7D	-	\$93.25	-	\$93.25
10 TOTAL UNIT INVESTMENT	LINE 5E + LINE 8C + LINE 9D	\$0.00	\$93.25	\$799.04	\$892.29
11 WEIGHTED UNIT INVESTMENT	LINE 10 x WP 6.0, PG 1, LINE 26D	\$0.00	\$9.14	\$78.31	\$87.44